Silicone Adhesion Promoter

SK-AP071

Product Features:

- Enhanced Adhesion: Improves bonding of addition-cure silicone to metals, glass, stainless steel, and other substrates.
- Boron-Based System: Provides strong thixotropy in fumed silica-reinforced silicone rubber.
- Reactive Vinyl Groups: Ensures compatibility with addition-cure formulations.

Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Colorless to pale yellow clear liquid	Visual inspection
Kinematic viscosity (mm^2/s @25°C)	3~20	GB/T 10247-2008
Refractive Index (25°C)	1.42~1.43	GB/T 6488
Vinyl content (wt%)	4.0~5.0	Sodium thiosulfate titration

Typical Applications:

- Silicone Inks: Enhances adhesion of silicone inks to substrates.
- Thixotropic Sealants: Ideal for CIPG/FIPG one-component addition-cure bonding sealants.
- Surface Primer: Acts as an adhesion promoter for pretreatment coatings

Usage Guidelines:

- Dosage: 1~2% by weight (add to any silicone component).
- Curing: Recommended at >100°C (time varies by application).

Packaging & Storage:

- Packaging: 5 kg/bucket, 20 kg/carton.
- Storage: Store in a cool, dry place away from light.
- Transport: Non-hazardous; handle as general chemicals.
- Shelf Life: 3 months (retest required if expired).

Safety & Environmental Notes:

- Wear appropriate protective gear when handling. Refer to the MSDS for details.
- Dispose of packaging in compliance with local solid waste regulations.

Notes:

- The information contained in this document is based on reliable data we have obtained. The content, product performance improvements, and product specifications may change without prior notice.
- The information provided in this document is based on our laboratory and practical experience and is for reference only. Since the conditions and methods of using this product are beyond our control, it is essential to conduct application tests and evaluations before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.